MSDS CC&E

H55B

HMIS RATING		least	0
HEALTH	2	slight	1
FLAMMABILITY	3	moderate	2
REACTIVITY	0	high	3
		extreme	4

MATERIAL SAFETY DATA SHEET
(FOR COATINGS, RESINS, AND RELATED MATERIALS)

HECHT RUBBER CORPORATION
6161 PHILLIPS HIGHWAY
JACKSONVILLE, FL 32216

PHONE: 904-731-3401

DATE OF PREPARATION: 04-01-91

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: H-55
PRODUCT NAME: NEOPRENE COATING
PRODUCT CLASS: A NEOPRENE (NEOP) COMPOUND DISPERSED IN AROMATIC SOLVENTS.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	WT.%	C.A.S. REGISTRY NUMBER	OCCUPATIONAL EXPOSURE LIMITS	VAPOR PRESSURE
XYLOL (XYLENE)	55.6	(1330-20-7)	100ppm	25mmHg
PM GLYCOL	5.0	(107-98-2)	100ppm	12.6mmHg

SECTION III - PHYSICAL DATA

BOILING RANGE: 230°F ___X___ HEAVIER ___ LIGHTER THAN AIR
EVAPORATION RATE: ___ FASTER ___X___ SLOWER THAN ETHER **% VOLATILE(WEIGHT):** 60.
WT per GAL. 9.27LBS **ODOR:** SWEET, SOLVENT LIKE **APPEARANCE:** LIKE PAINT
VOLATILE ORGANIC CONTENT (VOC): 684 g/L

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILTY CLASSIFICATION: DOT FLAMMABLE LIQUID
PAINT UN 1263

FLASH POINT: 80°F TCC
EXTINGUISHING MEDIA: Foam, dry chemical, CO_2, water may not be effective. Use water spray to disperse vapors or to protect personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and can collect in low areas. **FLAMMABLE LIQUID:** can release vapors that form flammable mixtures at temperatures at or below the Flash Point. Do not store or apply near welding, open lights, pilot lights, or any source of ignition.
SPECIAL FIRE FIGHTING PROCEDURES: Use air supplied rescue equipment for confined areas. Cool exposed containers with water.

SECTION V - HEALTH HAZARD DATA

NATURE OF HAZARD

EYE CONTACT:
Irritating, but does not injure eye tissue.

SKIN CONTACT:
Frequent or prolonged contact may irritate.
Low order of toxicity.
Occasional brief contact with liquid will not result in significant irritation unless evaporation is impeded.

INHALATION:
High vapor concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.
Negligible hazard at ambient temperature(-18 to 38 Deg C; 0 to 100 Deg F)

INGESTION:
Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.
Low order of toxicity.

FIRST AID

EYE CONTACT:
Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:
Flush with large amounts of water; use soap if available.
Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION;
Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:
If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST.

WORKPLACE EXPOSURE LIMITS

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:
A TWA of 100 ppm (435 mg/m3) and a STEL of 150 ppm (655 mg/m3) for Xylenes.
A TWA of 100 ppm (435 mg/m3) and a STEL of 125 ppm (545 mg/m3) for Ethyl Benzene.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:
A TWA of 100 ppm (435 mg/m3), and a STEL of 150 ppm (655 mg/m3) for Xylene.
A TWA of 100 ppm (435 mg/m3), and a STEL of 125 ppm (545 mg/m3) for Ethyl Benzene.

PRECAUTIONS

PERSONAL PROTECTION:
For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.
Where contact may occur, wear safety glasses with side shields.
Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, HIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION:
The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or is agitated.
Use explosion-proof ventilation equipment.

SECTION VI - REACTIVITY DATA

STABILITY: _X_ Stable ___ Unstable
HAZARDOUS POLYMERIZATION: ___ may occur _X_ will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: Fumes, smoke, CO, CO_2, HCL,
CONDITIONS TO AVOID: Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium or calcium hypochlorite.

SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED: Shut off and elimnate all sources of ignition. Keep people away. Recover free product. Add sand, earth, or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers or watercourses by diking or impounding.
WASTE DISPOSAL: Dispose of in conformity with all applicable governmental regulations. Continue to observe precautions for volatile, flammable vapors from absorbed material.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Use supplied air respiratory protection if in confined or enclosed spaces, if needed.
VENTILATION: Provide greater than 60 feet per minute hood face velocity. Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentration of vapors in air.
PROTECTIVE GLOVES: Solvent resistant.
EYE PROTECTION: Wear safety glasses with side shields.
RESPIRATORY PROTECTION: Use of NOISH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.
OTHER PROTECTIVE EQUIPMENT: Solvent resistant apron, if needed.
HYGENIC PRACTICES: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with the skin. Remove contaminated clothing: launder or dryclean before reuse. Remove contaminated shoes and completely clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work period.

MSDS CC&E

H55B

H55B

HMIS RATING		
HEALTH	2	least 0
FLAMMABILITY	3	slight 1
REACTIVITY	0	moderate 2
		high 3
		extreme 4

MATERIAL SAFETY DATA SHEET
(FOR COATINGS, RESINS, AND RELATED MATERIALS)

[redacted]
6161 PHILLIPS HIGHWAY
JACKSONVILLE, FL 32216
PHONE: 904-731-3401

DATE OF PREPARATION: 04-01-91

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BOILING RANGE: 230°F X HEAVIER ___ LIGHTER THAN AIR
EVAPORATION RATE: __ FASTER X SLOWER THAN ETHER % VOLATILE(WEIGHT): 60.
WT per GAL. 9.27LBS ODOR: SWEET, SOLVENT LIKE APPEARANCE: LIKE PAINT
VOLATILE ORGANIC CONTENT (VOC):684 g/L

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILTY CLASSIFICATION: DOT FLAMMABLE LIQUID
PAINT UN 1263
FLASH POINT: 80°F TCC
EXTINGUISHING MEDIA: Foam, dry chemical, CO_2, water may not be effective. Use water spray to disperse vapors or to protect personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and can collect in low areas. FLAMMABLE LIQUID: can release vapors that form flammable mixtures at temperatures at or below the Flash Point. Do not store or apply near welding, open lights, pilot lights,or any source of ignition.
SPECIAL FIRE FIGHTING PROCEDURES: Use air supplied rescue equipment for confined areas. Cool exposed containers with water.

page 1

1800 424-9300

SECTION V - HEALTH HAZARD DATA

NATURE OF HAZARD

EYE CONTACT:
Irritating, but does not injure eye tissue.

SKIN CONTACT:
Frequent or prolonged contact may irritate.
Low order of toxicity.
Occasional brief contact with liquid will not result in significant irritation unless evaporation is impeded.

INHALATION:
High vapor concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.
Negligible hazard at ambient temperature(-18 to 38 Deg C; 0 to 100 Deg F)

INGESTION:
Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.
Low order of toxicity.

FIRST AID

EYE CONTACT:
Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:
Flush with large amounts of water; use soap if available.
Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION:
Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:
If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST.

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PRECAUTIONS

RSONAL PROTECTION:
For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.
Where contact may occur, wear safety glasses with side shields.
Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, HIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION:
The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or is agitated.
Use explosion-proof ventilation equipment.

SECTION VI - REACTIVITY DATA

STABILITY: X Stable ___Unstable
HAZARDOUS POLYMERIZATION: ___ may occur X will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: Fumes, smoke, CO, CO_2, HCL,
CONDITIONS TO AVOID: Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium or calcium hypochlorite.

SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED: Shut off and eliminate all sources of ignition. Keep people away. Recover free product. Add sand, earth, or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers or watercourses by diking or impounding.
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VENTILATION: Provide greater than 60 feet per minute hood face velocity. Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentration of vapors in air.
PROTECTIVE GLOVES: Solvent resistant.
EYE PROTECTION: Wear safety glasses with side shields.
RESPIRATORY PROTECTION: Use of NOISH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.
OTHER PROTECTIVE EQUIPMENT: Solvent resistant apron, if needed.
HYGENIC PRACTICES: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with the skin. Remove contaminated clothing: launder or dry-clean before reuse. Remove contaminated shoes and completely clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work period.

Page 3.

MATERIAL SAFETY DATA SHEET

HECHT RUBBER CORPORATION
6161 Phillips Highway
Jacksonville, Fl. 32216

DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: Herco TC-700 Solution
I.D. NUMBER: 62-4711-6530-8 62-4711-7530-7 62-4711-8530-6
62-4711-9530-5

ISSUED: OCTOBER 1, 1985
SUPERSEDES: SEPTEMBER 1, 1981
DOCUMENT: 1029677

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS	
methyl	78-93-3	100.0	200 ppm	1

SOURCE OF EXPOSURE LIMIT DATA:
1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:
N/D - Not Determined
N/A - Not Applicable

2. PHYSICAL DATA

BOILING POINT:	175F
VAPOR PRESSURE:	@68F 80 mm
VAPOR DENSITY (Air=1):	2.5
EVAPORATION RATE (Ether=1):	2.7
APPEARANCE AND ODOR:	Clear, non-residual odor
SOLUBILITY IN WATER:	26% by weight
SP. GRAVITY (Water=1):	0.81
PERCENT VOLATILE:	100
VISCOSITY:	100 CPS
pH:	N/D

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Closed Cup): 20F
FLAMMABLE LIMITS - LEL: 1.8 UEL: 11.5

EXTINGUISHING MEDIA:
CO2, dry chemical, alcohol foam
SPECIAL FIRE FIGHTING PROCEDURES:
Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Overheated, closed containers adjacent to fire could explode due to pressure buildup.

4. REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:
Amines, aldehydes and oxidizing agents.
HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 and smoke particles when subjected to excessive heat or flame.

N/D

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with plenty of water for 10 minutes and call a physician.
SKIN CONTACT:
Wash with soap and water.
INHALATION:
Remove affected person to fresh air. Support breathing as necessary. Call a physician.
IF SWALLOWED:
Call a physician.

7. PRECAUTIONARY INFORMATION

Keep away from heat, sparks and flame. Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor buildup. The vapors released by this product can be easily ignited. Avoid contact with eyes and skin. Avoid prolonged breathing of vapors. Keep container closed when not in use. Keep out of the reach of children.
NOTE: Use safety glasses with side shields for eye protection. Wear natural rubber or neoprene gloves for skin protection. Use local exhaust ventilation to prevent vapor accumulation. If ventilation is insufficient wear a chemical cartridge respirator suitable for MEK vapors.

8. HEALTH HAZARD DATA

EYE CONTACT: Liquid contact with the eyes can cause severe irritation, tearing and blurred vision. If eyes are not rinsed immediately permanent damage could result.

SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation and may defat the skin resulting in dryness, cracking and dermatitis.

INHALATION: Inhalation of vapor concentrations above the permissible limits may cause respiratory system irritation and temporary nervous system impairment. Symptoms of overexposure include dizziness, light headedness, headache and nausea.

INGESTION: Swallowing may cause digestive system irritation, nausea and vomiting. Do not induce vomiting which could result in aspiration into the lungs with resultant bronchiopneumonia and lung damage.

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.